

THE MAIN RAILWAY ITEMS IN THE ASLEF JOURNAL

The table below gives a selection from every one of the available monthly Journals. Except where otherwise stated, they all feature **in the section labelled 'Railway Items'**.

Major articles, considered as those occupying a page or more, are shown in **bold**.

The Journal pages are in a two-column format. Brief items, consisting of less than half a column, are not normally included here unless judged to be of particular interest – in which case they are listed in *italics*.

There were very few illustrations until near the end of the century. All that appear are indicated.

ISSUE	MAIN RAILWAY ITEMS
Undated 1891	Bound in the front of the 1891-2 volume is a 40-page book by Clement Stretton (described as 'Consulting Engineer to the Society'). This describes the development of the locomotive from the days of Trevithick to the present. It is illustrated with several line drawings of engines of different periods, plus a full-page photograph of Clement himself.
February 1891	What it costs to work a railway, using the example of the LNWR. An American visitor's impression of English railroads (in Correspondence). Who invented the block system? (in Correspondence).
June 1891	American locomotives compared to British ones (in Miscellaneous). The new railway race to Scotland. New York to San Francisco in 3 minutes – a fantasy of the future. MR sectional diagrams: London-Carlisle, London to Leeds, and to Bristol over the Lickey incline. Examples of curious claims made against railways. Who invented the block signalling system? (In Correspondence).
July 1891	Communications between the BoT and the LB&SCR re accident at Portland Road Bridge. Story of cow on the line near Worcester Shrub Hill. <i>Progress in railways: 1630 to 1825.</i> A fight between bears and an engine in Florida, USA. Who invented the block system? (in Correspondence)
November 1891	Tempering steel (in Miscellaneous). Official report into L&YR collision at Salford station. Number of Westinghouse brakes ordered to December 1890, tabulated country by country. Review and demonstration of St John's ambulance at York. Who invented the block system? (In Correspondence).
January 1892	The St Clair Tunnel locomotives of the Grand Trunk Railway of Canada. Webb's LNWR 8-wheeled compound engine 'Greater Britain'. Summary of UK accidents reported to the BoT January to September 1891. Official report into accident on the NER at West Hartlepool station. Report of lecture on the automatic vacuum brake (in Correspondence).
February 1892	An express passenger engine of the Midland Railway (see also next month). Official report into NER collision at St Peter's station on the Newcastle-Tynemouth branch. Official report into GER accident between Lavenham and Long Melford.
* March 1892	<i>* (Presumably owing to a mis-print, this edition was also described as February 1892 on its front page!)</i> Midland Express engine No. 1853 with drawing, plus list of all Johnson's singles. Locomotive speeds. Block signalling and the World's Fair traffic, Chicago. Official report into GNR collision at Sandal. The manufacture of brass.
April 1892	'A Chat on Steam', ASLEF lecture given at Sheffield by a certain Professor Ripper (in Scientific). The latest LSWR express engines. GNR express engines. New colours for signal lights on the Midland Railway. Official report into GER collision at Barnby, between Beccles and Lowestoft. Official report into MR collision at Humberstone Road near Leicester. Official report into collision on the North Union Railway at Preston station.
May 1892	'A Chat on Steam' by Professor Ripper, concluded (in Scientific). Official report into collision on the Belfast & Northern Counties Railway at Castlerock station.
June 1892	Four-wheel coupled express engine, Midland Railway. Some views on compound express engines. The death of the broad gauge.

ISSUE	MAIN RAILWAY ITEMS
July 1892	<p>Can railway accidents be prevented? (In Scientific). The 100 mph electric railway, St Louis to Chicago (in Scientific). Hours of railway servants: report of the Select Committee. Official report into GWR collision at Buckfastleigh (Totnes-Ashburton). Making wheels from paper (!) at the Pullman Car works, USA. The responsibility of engine drivers. Railway construction in the USA. <i>Sleeping cars between Paris and Rome.</i></p>
August 1892	<p>Official report into LSWR collision at Southampton, May 1892. Official report into collision on the Hull & Barnsley Railway at Springhead near Hull. Official report into accident on the NER at West Hartlepool station. Official report into accident on the SER at Hastings station. The cost of railway accidents. A paper on 'Steam and Fireman's Duty' (in Correspondence).</p>
September 1892	<p>Official report into accident on the MR at Esholt Junction. Official report into very serious GER collision at Bishopsgate station. Review of Ambulance Corps at York. More on the proposed electric railway between St Louis and Chicago, USA. Half-year's working costs, revenue and dividends of the English railways, tabulated.</p>
October 1892	<p>Biography of Clement Stretton (currently unwell and convalescing). Engines of the Metropolitan District Railway. Train resistances. Railway curves (with diagram). English railway tunnels over one mile long, tabulated. The world's fastest scheduled passenger trains (in the USA). A proposed railway from the Bay of Acre to Damascus. Official report into accident on the GNR & LNWR Joint line at Melton Mowbray station. Official report into accident on the L&YR / LNWR Joint line at Preston station. The number of locomotives possessed by every UK railway on 31 December 1891, tabulated.</p>
November 1892	<p>The Leicester & Swannington Railway (free lecture by Clement Stretton, several line drawings). Official report into accident on the GNR & LNWR Joint line at Melton Mowbray station – additions. Official report into accident on the LSWR near Clapham Junction station (nearly 7 pages!). Visit by the Society of Engineers to Stratford Works, GER (with description of Works).</p>
December 1892	<p>Telegraphing from a train in motion (in Scientific). Official report into accident on the NER at Newcastle Central. The Thirsk disaster on the NER – jury's verdict. Construction of the Trans-Andine Railway between Argentina and Chile. Electric railway improvements in the USA. The New York Electric Railway. Punctuality on UK trains. Opening of the line from Jaffa to Jerusalem.</p>
January 1893	<p>Summary of UK accidents reported to the BoT January to September 1892. Official report into MR collision at Kentish Town. Official report into collision on the Wirral & Mersey Railways at Park station, Birkenhead.</p>
February 1893	<p>Official report into NER collision at Manor House, between Otterington and Thirsk. (10 pages!) Liverpool Overhead Railway – first public trial of one of the electric trains. Channel tunnel schemes (Scotland to Ireland). Advances in train lighting. The oldest railroad in the world, in Baltimore USA 1827? Planned Midland Railway extensions in Yorkshire.</p>
March 1893	<p>8-wheeled coupled goods engines on the Barry Railway and the LNWR. American locomotives. Official report into collision between MR trains at Philips Park Junction (Ardwick branch, L&YR). Official report into MR collision at Waling Street signal box, near Child's Hill. Official reports into two separate collisions at St Enoch, Glasgow & South Western Railway. The centre of gravity of a locomotive. The Employers' Liability Bill: full text. The Railway Servants (Hours of Labour) Bill: full text.</p>
April 1893	<p>Plans for a new national Department of Labour (in Miscellaneous). Official report into Metropolitan Rly collision of a train from Aylesbury at Baker Street station. Official report into GER collision of a train from Beccles at Lowestoft station. The largest engine in the world, Pennsylvania Railroad USA. Railwaymen and drink: a dispute with a temperance reformer (in Correspondence). Report of a lecture on railwaymen and eye sight tests (in section on Ambulance Work).</p>
May 1893	<p>Continental labour laws (in Miscellaneous). Official report into collision at New Mills, Sheffield & Midland Ry, between MS&LR and MR trains. <i>Locomotive trials of the 'Greater Britain' on the LNWR.</i> 'Penny-in-the-slot' electric light in Metropolitan District Railway carriages. Compound locomotives in the USA. Paper read to the UK Institution of Civil Engineers on electrical railways. Details of the World's Fair in Chicago (in Correspondence).</p>

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June 1893	<p>The Employers' Liability Bill (in Miscellaneous). Arbitration in labour disputes (in Miscellaneous). The history of labour organisation (in Miscellaneous). What it is like in the House of Commons (in Miscellaneous). The hours of railway servants (also in Correspondence).. Official report into L&YR collision at Windsor Bridge sidings, near Salford. Smoke from railway locomotives. Resistances on curves. Proposed elevated railway in Naples.</p>
July 1893	<p>Electric locomotives and high speed (in Miscellaneous). Official report into LNWR accident at Willaston station, between Crewe and Whitchurch. Railway tickets. Railway servants' hours of labour. A run with the mail train to the west, GWR. <i>The planned Buxton and Ashbourne Railway, LNWR.</i> Accidents to railway servants in the UK during May 1893, tabulated in detail. Details of a new large USA engine No. 999, and of its performances (in Correspondence). More on the Word's Fair in Chicago (in Correspondence).</p>
August 1893	<p>Notes on a two-month Journey to the USA, by Clement Stretton. Very detailed summary of UK brake faults July to December 1892, fully tabulated. Coroner's inquest into Blackpool railway accident (L&YR and LNWR incriminated). NER extensions in Leeds, near Marsh-lane tunnel and the East End Park. <i>BoT figures of deaths on the railways for the three months to 31 March 1893.</i> A libel case brought against the ASLEF (in Correspondence). Report on a trip from Holborn Viaduct station to Calais (in Correspondence).</p>
September 1893	<p>Boiler feed pumps (in Miscellaneous). C. Stretton's monthly article 1: NER Gateshead Works – account with map, drawings and photos. Building locomotives: a 'race' between the USA and the UK. Train speed in America. Official report into North British Railway collision at Bridgeton Cross station. A very recent derailment at Treforest in Wales: initial comments. Accidents to railway servants in the UK during July 1893, tabulated in detail.</p>
October 1893	<p>Workplace fatalities and the Employers' Liability Bill (in Miscellaneous). C. Stretton's monthly article 2: NER Gateshead Works – account continued with photographs. Official report into LNWR accident near Poulton-le-Fylde, Preston & Wyre Joint Railway. Official report into MR accident in Wickwar tunnel, between Bristol and Gloucester. Official report into North British Railway accident at Queen Street low level station, Glasgow. The hydraulic testing of boilers. BoT and railway servants' hours.</p>
November 1893	<p>C. Stretton's monthly article 3: NER Gateshead Works – account continued with photos of locos. The newly-opened Dore tunnel on the Midland Railway. Report on Clement Stretton's lecture on American railroads. The fastest railway runs in the UK. Some railway statistics. <i>Fog signalling by electricity on the GNR.</i> Official report into LNWR collision at Victoria station, Swansea.</p>
December 1893	<p>C. Stretton's monthly article 4: NER goods loco & crane tank, with photos, plus record of runs. Official report into MR collision on their platform line at Moorgate Street, Metropolitan Railway. Official report into GWR accident in Box tunnel, between Chippenham and Bath. Accidents to railway servants in the UK during October 1893, tabulated in detail. Working railway points, signals and locking by electricity. The newly-opened Dore and Chinley Railway. A locomotive trial in the USA between American No. 999 and the LNWR's 'Queen-Empress'.</p>
January 1894	<p>C. Stretton's monthly article 5: Loco development at the Chicago Exhibition. New MR express locos: single No. 179 and four-coupled Nos. 2203-2217. Lecture on Loco Development by Clement Stretton, given at the MR Temperance Union. Official report into GER collision at Enfield Town terminus. Official report into GWR collision at Droitwich. Hydraulic riveting in the LB&SCR's workshops. Report on inquest on GWR engine driver at Gloucester. Possible new LNWR line from Birmingham to Sheffield via Burton-on-Trent. New locomotives for the St Gothard Railway. New routes to be considered for rapid transit in London. Accidents to railway servants in the UK during November 1893, tabulated in detail.</p>

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February 1894	<p>Third class dining car for the East Coast route, with photograph. C. Stretton's monthly article 6: Some links in locomotive history, with drawings of early locos. A Welsh Grimsby: LNWR's plans for their port of Deganwy. Why American railways are dangerous. Fog signalling on railways: John Kaye's apparatus. Official report into SER accident at Dover Town station. Official report into NER collision at West Hartlepool station. <i>The railways at Stamford, leased by the GNR.</i> Accidents to railway servants in the UK during December 1893, tabulated in detail. On defective colour vision (in Correspondence).</p>
March 1894	<p>Telegraphing without wires, pre-Marconi (in Scientific). C. Stretton 7: Some links in locomotive history, with drawings of Leicester & Swannington loco and carriages, and of 1838 GWR express engine the 'Thunderer'. UK items on display at the 1893 Chicago Exhibition. Official report into GNR collision at Kings Cross. Expansion strains in boilers. New Midland Institute at Derby. Should we build engines to go at 100 mph? Accidents to railway servants in the UK during January 1894, tabulated in detail. On defective colour vision (in Correspondence).</p>
April 1894	<p>C. Stretton 8: Some links in locomotive history, with drawings of 1838 GWR express engine the 'Hurricane', an 1839 Bury's standard goods engine and 185 SER 'Folkestone'. New locomotives for the Cambrian Railways. The invention of the flanged railway wheel in 1789. The LNWR are building a new carriage works at Carlisle. <i>A forthcoming change of signal light colours on the LNWR.</i> The Employers' Liability Bill. Official report into GWR accident at Upwey on the Abbotsbury branch. A USA paper on safety appliances. The involvement of the LNWR in the town of Crewe. Accidents to railway servants in the UK during February 1894, tabulated in detail.</p>
May 1894	<p>Clement Stretton 9: LC&DR express engines (no illustrations). The vacuum automatic brake, with several drawings, including arrangements for heating train. A new patent for working trains during foggy weather. Accidents to railway servants in the UK during March 1894, tabulated in detail.</p>
June 1894	<p>UK coal mining statistics for 1893 (in Miscellaneous). Tower Bridge, which had just been opened (in Miscellaneous). Clement Stretton 10: North London Company's passenger tank engine, also NBR's mixed traffic engines for the new West Highland line (no illustrations). The new railway in the Peak, along the Upper Derwent Valley. Official report into LNWR collision at London Road station in Manchester. Official report into L&YR collision at Thorpes Bridge, between Miles Platting and Newton Heath. Official report into Cheshire Lines collision at Central station in Manchester. Suggested new line: the Midland North-West Central Railway. <i>An on-train automatic display showing the next station on the Metropolitan District railway.</i> The jubilee of the Midland Railway. Accidents to railway servants in the UK during April 1894, tabulated in detail.</p>
July 1894	<p>Clement Stretton 11: Passenger engines on the Mersey Railway, Liverpool (no illustrations). The theory of how the locomotive engine moves itself. Notes on railway speeds. Long rails (60 ft.) adopted in the USA. The Dore and Chinley Railway. Train lighting by electricity on the LB&SCR – comparative costs for oil and gas given. Accidents to railway servants in the UK during May 1894, tabulated in detail. Report on a trip from Cannon Street station to Boulogne-sur-mer (in Correspondence).</p>
August 1894	<p>Clement Stretton 12: Midland Railway third class dining carriages. Official report into North British Railway collision at Castle Cary. Official report into Highland Railway collision at Tain. High train speeds. Locomotive engines built in Norway. Railway irregularities on the Cambrian Railways. <i>The Midland Railway's latest extension, from Tottenham to Forest Gate.</i> Accidents to railway servants in the UK during June 1894, tabulated in detail. A dispute at the Pullman works in the USA (in Correspondence).</p>

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September 1894	<p>Staffing statistics from the G.P.O. (in Miscellaneous). Clement Stretton 13: Dubious measurements of high train speeds. Fires caused by sparks from locomotives. Sunday trains on railways. Richard Trevithick. Report of a visit to the Derby Works of the Midland Railway. The Notice of Accidents Act, 1894. Obituary of Charles Liddell, engineer. Accidents to railway servants in the UK during July 1894, tabulated in detail. Mexico and its railways (in Correspondence).</p>
October 1894	<p>Clement Stretton 14: Early tram-roads and railways in Leicestershire (Including Nanpanton, Belvoir Castle, Ashby Canal Co., Swannington, Soar Lane, Coleorton, etc.). New M&GN passenger engines. Official report into Midland Railway collision at St Pancras (see also Correspondence). New "locomotives with snouts" on the PLM, France. Contracts let for new railway from London to Sheffield (Great Central route). Statistics for those killed or wounded on UK railways. Statistics on UK railways generally. Report on injuries caused by a lump of coal falling from an engine at Elephant & Castle station, LC&DR. Inquest verdict on GWR driver killed at Swindon. The Great Siberian Railway - new lines. Accidents to railway servants in the UK during August 1894, tabulated in detail.</p>
November 1894	<p>Clement Stretton 15: The new West Highland Railway. Englishmen and the Chicago Exhibition. Railway fog signalling. <i>Water in the air brakes – GNR, NER, NBR.</i> A new colliery in South Yorkshire: Grimethorpe. Accidents to railway servants in the UK during September 1894, tabulated in detail. The MR accident at St Pancras (in Correspondence).</p>
December 1894	<p>Statistics relating to trade unions in the UK in 1892 (in Miscellaneous). Clement Stretton 16: New express engines of the GWR – Dean's No. 7 'Armstrong'. Two Pullman expresses collide at Carlisle. Edward Bury & Co., with details of all engines they built to December 1834. Early English engines for American railways. Obituary of Thomas Dumelow, an old Leicester engineman since 1844. Accidents to railway servants in the UK during October 1894, tabulated in detail. Colour vision testing (in Correspondence, headed 'Railway accidents' and 2 pages later).</p>
January 1895	<p>Clement Stretton 17: The history of the four-wheeled bogie. Railway brakes: a summary table of faults in 1893-1894. Official report into L&YR collision at Manchester Victoria. Official report into GNR collision at Donnington-on-Bain, between Lincoln and Louth. Heating of railway carriages. Coal traffic and the MS&L London Extension. Discovery of another Lancashire coalfield. Summary of railway accident statistics in 1893. USA assessment of English and American railways.</p>
February 1895	<p>Clement Stretton 18: New engines for the Highland Railway. High railway speeds and punctuality. Steam heating on the Caledonian Railway between Edinburgh and Glasgow. Locomotives and trains – dealing with a 'sulky' engine. Official report into NER collision at Castle Hills Junction near Northallerton, plus comments.</p>
March 1895	<p>Clement Stretton 19: The railway speed controversy. Official report into LNWR collision at Chelford, between Stockport and Crewe. A mass meeting of engine drivers at York, concerning the Northallerton accident. The Earl of Shaftesbury v the LSWR (claim of fire damage due to spark from engine). Experimental steam-heated trains on the LNWR. Official conclusion on the accident at Cannon Street station on the SER. <i>Dire straits of old SER driver, dismissed due to age.</i> Performance of the new GNR express engines (in Correspondence).</p>
April 1895	<p>The jubilee of express trains in the UK (first one was GWR 1845). Coroner's inquest on the railway fatality on NLR engine at Wood Green on the GNR. Comments of engine driver on York meeting concerning the Northallerton accident (in Correspondence).</p>
May 1895	<p>Clement Stretton 20: Notes on early passenger traffic. New offices for Messrs. Cook & Son at Leicester. The first inside-cylinder engine: why a correspondent (Mr G A Sekon)'s 'correction' is wrong. New GWR express engines of the 'Achilles' class, Nos. 3031 to 3040. Locomotive cabs as a protection to the crew. Official report into accident to NLR train at Wood Green station on the GNR. More on the new GNR express engines (in Correspondence).</p>

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June 1895	<p>Clement Stretton 21: Notes upon American locomotives (with photograph of one). Ten-foot driving wheels. Notes on Mr Bury's early engines: the first inside-cylinder locomotive. The economics of coal throughout the world. Official report into accident at Mirfield on the L&YR and LNWR Joint. Official report into collision between NER train and LNWR engine at Leeds station. Official report into collision on NER at Gelderd Junction, Leeds.</p>
July 1895	<p>Experiences of an old engineman who started firing on the Newcastle & Carlisle Rly in 1839! (In Miscellaneous). Locomotive management 50 years ago, taken from the Railway Record of 1845. Clement Stretton 22: Bury and Co. of Liverpool (with two line drawings). Why the Manchester & Milford Railway in Aberystwyth goes to neither. Table of driving wheel diameters of early GWR engines, 1837-1840. Confusion resolved over the old GWR 'North Star'. Brake trials on the NER. A fast run on the Pennsylvania RR from Philadelphia to Atlantic City.</p>
August 1895	<p>Clement Stretton 23: Crampton's engines. Experiences of engineman Mr Tuff of York from 1839 to 1887 (continued from last month). Fast trains – London to Scotland. Locomotive management 50 years ago (continued). Continuous brake faults in the UK in 1894 – very comprehensive statistics tabulated. Bury & Co. of Liverpool – what happened to the books and drawings of the company. Railway exhibition at the Imperial Institute, London. Report of trip to Amsterdam via the GER and the Hook of Holland (in Correspondence).</p>
September 1895	<p>Clement Stretton 24: McConnell's engines, with 2 pictures & 2 line drawings of LNWR locos. Early GWR engines, with table of data of their first twenty locomotives. Letter from G A Sekon re GWR engines, with Clement Stretton's reply. <i>A remnant of the broad gauge discovered.</i> Experiences of engineman Mr Tuff of York from 1839 to 1887 (continued from last month). Official conclusions regarding LNWR accident at Lime Street, Liverpool. 240 miles in 253 minutes – a journey from Carlisle to Aberdeen during the race to the North.</p>
October 1895	<p>An account of a labour dispute affecting their equivalent in the USA (in Miscellaneous). Clement Stretton 25: The latest American express engine (Baldwin 4-cylinder compound). Extremely detailed records of the race to Aberdeen, by Charles Rous-Marten. Long distance runs (Mr Webb's trial trip non-stop trip Euston to Carlisle). Railway races in America. More details of early GWR locomotives. Experiences of engineman Mr Tuff of York from 1839 to 1887 (continued from last month). Scathing comment on G A Sekon's earlier letter about locomotives of the GWR (in Correspondence).</p>
November 1895	<p>Clement Stretton 26: The latest American express engine, continued, with picture. Official report of the NER brake trials, with detailed tables of results. Censure of the Dublin & Wicklow Railway for over-long hours. Speed on the Midland Railway. Railway races in the USA: timings of the runs. The Scottish engines used on the race to Aberdeen. More information on early GWR engines (two separate entries). GNR passenger engines, past and present. A survey of the finances of the railways of the UK in 1894. Experiences of engineman Mr Tuff of York from 1839 to 1887 (continued from last month). Experiences on a Cook's Tour to Switzerland (In Miscellaneous). Report of Coroner's inquest on death of Wigan driver at Glazebrook (in Correspondence).</p>
December 1895	<p>Clement Stretton 27: The latest LB&SCR express engine. The history of the Vulcan Foundry at Newton-le-Willows, near Warrington. GNR engines of the past. Comments on the recent brake trials. More on early GWR engines. High train speeds: an American's view. Experiences of engineman Mr Tuff of York from 1839 to 1887 (concluded). The ASLEF Triennial Conference (in Miscellaneous). The death of Patrick Stirling (in Correspondence). Coroner's inquest on GWR driver killed at Wolverhampton (in Correspondence).</p>
January 1896	<p>Clement Stretton 28: The latest Manchester Sheffield & Lincolnshire express engines. Drivers and look-out. GNR engines of the past (continued). More on early GWR engines. The tribulations of railway travel (from 'Indignant passenger'). Midland Railway express locomotives. Brother E S Spencer, the 'father of the ASLEF Journal', with photograph (in Correspondence).</p>

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February 1896	<p>Clement Stretton 29: Locomotive notes, 1895. Some remarkable performances of British locomotives, by Charles Rous-Marten. The Dundee and Newtyle Railway (opened 1831). Bad consequences of the coal premium (which rewarded economical drivers). Railway speed. Fast runs in America. Official report of collision at Preston station on the LNWR and L&YR Joint. Official report of collision in fog on the Bricklayers Arms branch of the SER. A proposed new line from Nottingham to Hull. Official conclusions concerning accident to GNR train at Mirfield (L&YR). Automatic brakes for goods trains (see also start of Correspondence).</p>
March 1896	<p>Clement Stretton 30: New GWR engines. Coal premiums (see also in Correspondence). LNWR locomotives 1871-1896. Caledonian Railway: new bogie engines of the 'Dunalastair' class. The resistance experienced by trains. Air resistance experiments on the GWR in 1838. After the great railway race, by Charles Rous-Marten. Early Midland Railway engines. Who designed the 'Jenny Lind' engines – Wilson or Joy? LB&SCR locomotives including a full list of the 'Gladstone' class. Bullhead rails and flange rails. Booked running of light engines in preference to drivers shouting to signalmen. Some railway schemes of 1846. Irish railway working. GNR engines past and present: letter from Archibald Sturrock. Railway servants and the eyesight test (in Correspondence).</p>
April 1896	<p>Clement Stretton 31: The eyesight test (see also in Correspondence). 'Jenny Lind' engines of the Midland Railway (two entries). American railways permanent way. The slipping of locomotives. GNR engines, with drawing and picture of 4-2-2 No. 215. Caledonian Railway: Condensing locomotives for Glasgow Central (Underground) Railway. Early GWR locomotives (two entries). A footplate ride on the new Caledonian 'Dunalastair' by Charles Rous-Marten. Why the drivers and firemen of good runs recorded are not identified by name. Midland Railway engines to 1865 tabulated in detail. The NER brake experiments. LB&SCR locomotives: list of driver's names for each of Gladstone class, and list of goods tanks. LB&SCR locomotives: separate article. Coal premiums. The Vulcan Foundry, with detailed list of their first 100 engines.</p>
May 1896	<p>Clement Stretton 32: The Duke of Sutherland's new engine, with picture. Train resistance. Early Scotch Railways. The North British Railway. The first hundred engines built by R Stephenson & Co. The locomotives of the London Chatham & Dover Railway. 'Jenny Lind' engines of the Midland Railway. The eyesight question (in Correspondence).</p>
June 1896	<p>Clement Stretton 33: Valve gear. American express engines: how No. 385 has performed. Who designed the 'Jenny Lind' engines of the Midland Railway? The Caledonian Railway, with detailed table of Scottish NER engines 1850-1865. Details of Midland Railway engines since 1865. Modern engines of the LB&SCR.</p>
July 1896	<p>Clement Stretton 34: Joy's valve gear, with fold-out drawing. American locomotives for Russia. English and American permanent way. Who designed the 'Jenny Lind' engines of the Midland Railway? The Stockton and Darlington Railway. New East Coast Joint trains. Old Caledonian Railway engines, tabulated in detail. Locomotive valve gears. Corrections to the list of early Midland Railway engines. The Ottawa convention of the Brotherhood of Locomotive Engineers. Improvement in NER railway carriages. A French steam locomotive without a firebox. New publication – Moore's Monthly Magazine (in Correspondence). NER men's grievance over cut in time allowed for preparing engines at Hull (in Correspondence).</p>

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August 1896	<p>Clement Stretton 35: New North British engines. Carriages de luxe. Continuous brake faults during 1895, tabulated in detail. Who designed the 'Jenny Lind' engines of the Midland Railway? The Stockton and Darlington Railway (continued), including list of first 25 engines 1825-1833. A record journey to Paris via Dover and Calais. Details of Midland Railway engines since 1865 (continued). Improvements in railway carriages. Preston accident to LNWR train due to high speed: inquest and verdict. The jubilee of the LNWR. NER books of coupons for 1000 miles of first class rail travel, valid for a year. Review of the ASLEF Journal, quoted from Moore's Monthly Magazine.</p>
September 1896	<p>Clement Stretton 36: The Wirral Company's latest 4-4-4T No. 11, with picture. A claim that G A Sekon had altered an official letter. New railway engines for Australia. Some performances on the East Coast Scottish service, by Charles Rous-Marten. The Stockton and Darlington Railway (continued). The Preston accident and 'railway racing'. Details of Midland Railway engines since 1865 (continued). A fine run on the Caledonian Railway (Carlisle-Perth-Aberdeen). 95 mph trial of the Holman friction-g geared steam engine in the USA. Trip to Antwerp, Brussels and Waterloo via the GER and Harwich (in Correspondence).</p>
October 1896	<p>Clement Stretton 37: The NER's latest express engines. The Preston accident and railway 'racing'. The Stockton and Darlington Railway (continued). Statistics on the capital of UK railways in 1895. With the West-Coast 'Flyer' from Euston to Aberdeen, Charles Rous-Marten. Corrections to list of Midland Railway locomotives. Convention of the Travelling Engineers' Association, USA. Official report into collision at Preston station on the L&YR and LNWR Joint. Proposal for a national railway museum. Cantilever bridges. Official report into collision at St Enoch on the Glasgow & South Western Railway.</p>
November 1896	<p>Clement Stretton 38: Engines of the L&YR. Railway traffic returns for 1895. Views on the possibility of a national railway museum. The fast running of 1896. Charles Rous-Marten's views on speed and the Preston accident. The Stockton and Darlington Railway (continued). Performance on the world's longest non-stop run (Paddington-Exeter), by Charles Rous-Marten. A railway instruction car in the USA. Visit to the Westinghouse Brake Co.'s Works, Kings Cross. Details of Midland Railway engines since 1865 (concluded). Criticism of the NER's express engines by the 'railway expert' of the <i>Daily Chronicle</i>! Official report into collision on the NER at Hartlepool station. State interference: a different view of nationalization (in Miscellaneous). What is horse-power? (in Miscellaneous). New electric railway proposed Earl's Court to Mansion House (in Miscellaneous).</p>
December 1896	<p>Clement Stretton 39: Engines of the L&YR (continued). The Preston accident. The absolute block system. Locomotive boilers (two separate entries). More views on a national railway museum. The Stockton and Darlington Railway (concluded). Railway speeds. Midland Railway engines in 1855. The Sheffield District Railway: cutting the first sod. Planned new improvements on the GWR. Official report on GER collision at March. A railway instruction car at Stratford on the GER (in Correspondence).</p>
January 1897	<p>Clement Stretton 40: Compound locomotives. Origin of the words 'rail-way' and 'tram-road'. The formation of a National Railway Museum Committee. Railway exhibits at South Kensington. Official conclusion re accident on the GNR (Ireland) at Dundalk: footplate crew the worse for drink. Hand-signalling at St Enoch station (G&SWR): another accident. List of GNR locomotives. The capital of leading UK railways in 1895. Express engines in the USA. Result of court case: NER running powers over the NBR between Berwick and Edinburgh. Report on the Poor Law Officers' Superannuation Act (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
February 1897	<p>Clement Stretton 41: Modern American locomotives. Railway racing. Change in how employees are disciplined on a USA railroad. Railway speeds. Official report into collision on the NBR at Haymarket central junction. The LNWR 'Lady of the Lake' locomotives. Ways to humour a railway engine. An American compressed air locomotive. List of GNR locomotives (continued). Accidents to railway servants in 1896. Replacing a bridge over the River Lea at Tottenham on the GER. UK and USA locomotive boilers compared in a table. A new 100 km per hour electric locomotive in France. Cast steel in locomotive building. Balanced slide valves for locomotives. The report issued by the Board of the GER.</p>
March 1897	<p>Clement Stretton 42: North British Railway express engines. The East Coast railway dispute between the NER and the NBR. The National Railway Museum Committee. A new tunnel under the Thames at Blackwall. Compound locomotives in the USA. Accident just south of Crewe station. Some runs on the Midland-Scottish from St Pancras, by Charles Rous-Marten. Effects of high speed on engine drivers. Speeds on the Midland Railway.</p>
April 1897	<p>Clement Stretton 43: Glasgow & South Western Railway express engines. The National Railway Museum Committee. 'Lightning trains' on the NBR between Berwick and Edinburgh, by Charles Rous-Marten. Official report into GWR collision between two goods trains at Aberdare. Judgement on the dispute between the NER and the NBR. Early engines of Stephenson & Co. Experience of sight feed lubricators in the USA. Figures for deaths and injuries to employees on major UK railways in 1895.</p>
May 1897	<p>Clement Stretton 44: Engines for India. Coroner's verdict on death of driver at Newport, GWR. Mr Mosely (MR driver at Kentish Town)'s automatic fog-signalling apparatus. The slipping of locomotive wheels. Proposal by MR for a direct line between Heaton Mersey and New Mills. Official report into GNR collision at Kings Cross. The Gravehals tunnel on the Bergen Railway in Norway.</p>
June 1897	<p>Clement Stretton 45: Early American engines, with 3 line drawings. Engines for India: a picture of Indian Midland 2-6-0 No. 166. The feats of American locomotives. Improved wagon couplings. Official report into Wirral Railway collision at Park station. Repair of the GWR sliding bridge that spans the lock of the North Dock (in South Wales?). Sunday duty (in Correspondence).</p>
July 1897	<p>Clement Stretton 46: The 'Invicta' loco of the Canterbury & Whitstable Rly, with line drawing. New Midland Railway express engines. New engines for India. Locomotive history: original diagrams of locos held at South Kensington. The 'Rocket', and errors that get passed down in print. Brief statistics of railway accidents in 1896. How our railway history is lost. The National Railway Museum. Detailed table of Bury & Co.'s locomotives that went to the USA. Review of 'The Locomotive Engine and its Development' by Clement Stretton. Railway relics. The Queen's journey from Balmoral to Windsor for 60-year jubilee celebrations. Science and industries of the Queen's reign: a survey of 60 years. The railway: a North Country invention. From Puffing Billy to the compound locomotive. Detailed list of GNR locomotives from No. 218 onwards. Official report into L&YR collision at Burnley. <i>After friction with NBR, NER negotiating with Caledonian Railway re Glasgow-Newcastle via Carlisle.</i></p>

ISSUE	MAIN RAILWAY ITEMS
August 1897	<p>Clement Stretton 47: Early GWR engines at the Earls Court Exhibition, with list and full-page drawing of 'Snake' (1838). The Liverpool and Manchester Railway, with line drawings. Court case at Leicester: throwing a stone at an engine. Light railway gauges. Runs behind the latest GNR single No. 776, by Charles Rous-Marten. Piston valves in locomotives. Locomotive history: early engines of Bury & Co. and of the Vulcan Foundry. The Westinghouse high speed brake in the USA. Detailed list of GNR locomotives from No. 501 onwards. The use of high steam pressures in non-compound locomotives, by Dugald Drummond.</p>
September 1897	<p>Clement Stretton 48: Some comments on non-compound locomotives. Early tramroads and railways near Leicester, with list of Swannington Rly Co. locos 1832-1839. Piston valves in locomotives, by S W Johnson. The proposed railway museum. Locomotive records and locomotive history. The summer train services, by Charles Rous-Marten. Some early railway schemes: the Surrey Iron Railway and others in the area. A footplate ride on the heaviest train in England [sic]: the CR 2 pm 'London diner' from Glasgow. Automatic car couplers on English railways (a report from the USA). Accidents on railways: brief statistics. The jubilee of the L&YR. Compound locomotives. More passenger luxuries on the Midland Railway. Official report of accident on the Cambrian Railway at Wolshampton station (Welshampton?). Statistics for the Midland Railway in 1896.</p>
October 1897	<p>Clement Stretton 49: Locomotive cylinders. LC&DR express engines. The proposed railway museum. The greed of speed. When was the first continuous brake invented? Queen Victoria's new train, built by the GWR. Long-distance railway runs, and the fastest train in the world. Official report of collision on the LSWR at Yeovil Junction. Official report of collision on the SER at Borough Market Junction. Official report of collision on the LB&SCR at New Cross station. Locomotive boilers, with their performance on main UK companies tabulated. How working expenses compare as a percentage of receipts on each UK railway, tabulated. An experiment on the LNWR: small dynamos on carriages to charge batteries for lighting. A trip from Dover to Ostend (in Correspondence).</p>
November 1897	<p>Clement Stretton 50: Notes on Irish locomotive practice. Railway speed. <i>Continuous brakes.</i> Technical education. Locomotive records lost to the UK. Reports on accidents at Rimington (L&YR) and at Ardsley (GNR). Tank v. tender engines. Compound locomotives. New engines for the LNWR. <i>Hidden inspectors to trap speeding drivers.</i> The National Railway Museum Association. Official report of collision on the NER at Newcastle-upon-Tyne.</p>
December 1897	<p>Clement Stretton 51: The Atlantic City run. Railway speeds. The new Great Central line to London. The LNWR engine 'Cornwall': 50 years old and still working. LNWR tunnelling plans at Shap and under Crewe station. Successful public trial of electric locomotive in France. Official report of collision on the GNR at Marshgate Junction in Doncaster. Obituary of Ben Hitchen. Crewe driver killed by stone thrown from bridge (in Correspondence).</p>
January 1898	<p>Clement Stretton 52: Railway speeds (and other items also on that topic). Modern Midland Railway engines, with ones 1876-1898 and also results of recent trials tabulated. The Atlantic City express. Railway management: what some 'amateurs' believe. Locomotive building – English and American. The evolution of railway travelling. Their trains and ours, from the USA. Electric locomotives. When the Czar travels. Underground railway working. Railways in Japan. Summary of UK railway accidents in 1897.</p>

ISSUE	MAIN RAILWAY ITEMS
February 1898	<p>Clement Stretton 53: more on railway speeds (and other items also on that topic). Summary of the UK return on continuous brakes for 1897. The 'railway experts' of the daily press. What becomes of the power developed by the locomotive? Anti-railway prejudices. Suburban railway traffic. Progress with the new works of the GCR, including its terminal hotel at Marylebone. Official report of collision at Haughton station, on the Stafford-Shrewsbury section of the LNWR. Official report of collision on the NBR at Falkirk station. Evidence that third class passengers subsidise the second and first class ones.</p>
March 1898	<p>Clement Stretton 54: Modern Midland Railway engines. Large locomotives. Railway racing. Railway working. Brakes on goods trains. A powerful GWR mineral engine No. 36. Train resistance. Mr S W Johnson: summary of the life of the MR loco engineer. Official report on collision on the NBR at Whitburn station. The infancy of railways. Locomotive building in the UK and abroad. The usefulness of small and large locomotives. Setting slide valves.</p>
April 1898	<p>Clement Stretton 55: The double-heading of trains. The modern 'railway expert'. 'Is the Midland asleep?' asks the Daily Chronicle 'railway expert'. Increase of train miles run on some UK railways, tabulated. English and American locomotives. The friction of locomotive slide-valves. New large locomotives in the UK. Technical education for railway officers and men in the USA. The Derbyshire Dales: a new railway (the Ashbourne Railway, LNWR). Fuel consumption of locomotives, with both UK and USA railways tabulated. Locomotive development in the UK. Obituary of Sir Henry Bessemer (of steel-making fame). Official report into collision on the NBR at Dunbar. <i>Thomas Edison's proposal for tidal energy.</i></p>
May 1898	<p>Clement Stretton 56: American and English permanent way. Compound locomotives. Railroad economics in the USA. Railways and public opinion. A run on the GNR from Peterborough to Kings Cross tabulated. The largest USA passenger locomotives. New lavatory carriages on the LSWR. Locomotive history: early exports from the UK to America. The first locomotive 1803-4 – from Penyarden Ironworks, Merthyr. A questionnaire circulated among the Travelling Engineer's Association of the USA. A USA report on the most economical way to operate a locomotive. Coal consumption of UK and USA locomotives compared. Lost locomotive No. 67 (in USA). A jubilee run on the Midland. Audible signals. Poor working conditions on German railways. The new workmen's compensation act: the responsibility of employers (in Miscellaneous).</p>
June 1898	<p>Clement Stretton 57: The erection of a locomotive. A run on the GNR. Double-heading trains. The steam whistle for locomotives. The Atlantic City Express. Bury engines which went to the USA. How they inspect railways in America. A new type of express locomotive for Belgium, with full-page photograph. Performance of the latest Caledonian Railway 4-4-0's, with full-page photograph of No. 767. NER 4-4-0 No. 1870: full-page photograph. Official report into collision on the GNR at Potters Bar. A railroad manager wants to abolish seats for the crew in the cab.</p>

ISSUE	MAIN RAILWAY ITEMS
July 1898	<p><i>[Nothing by Clement Stretton this month – his house had been struck by lightning]</i></p> <p>New American engines. The Great Central Railway: its origin, development and prospects. The May train services, by Charles Rous-Marten. Cutting of first sod on new Lanarkshire and Ayrshire Railway. New Midland Railway carriages. New Caledonian express locomotives. British Railway Progress: presidential address to Inst. Mech. Eng. by S W Johnson. A run on the GNR. Four-cylinder compound locos: 1 the Vaclain type, with 4 pictures. English and American signals. Railway unpunctuality. Comparison of railway speeds. A giant locomotive in the USA. Electric railways under construction in London.</p>
August 1898	<p>Clement Stretton 58: Railway unpunctuality. List of LNWR trains with non-stop runs of over 100 miles. Railway exhibits at the South Kensington Museum. Test runs of the new NBR express engine, by Charles Rous-Marten. <i>Anyone seen LNWR wagon 60474 with 1 ton copper ingots, lost between Cum-Avon & Beccles, GER?</i> BoT report on railway passenger communication. The July train service. Four-cylinder compound locos: 1 the Vaclain type, concluded. Full-page photographs of GNR 4-4-2 No. 990 and GNR 4-4-0 No. 400. Presidential address to Inst. Mech. Eng. by S W Johnson (continued), with much MR data. Piston valves. Some notes on locomotive steam gauges.</p>
September 1898	<p>Clement Stretton 59: traffic to Ireland. New Midland Railway express engines. Non-stop runs of over 100 miles on all companies in the UK and Ireland other than the LNWR. Railway speeds. High pressure locomotives. The high speed railway accident in France. Railway unpunctuality (see also in Correspondence).. NER engine No. 1619. New English express locomotives: GER No. 10 and SER No. 440, with full-page photographs. Official report into SER accident at Ashford station. Official report into Taff Vale Railway accident at Pont Shon Norton Junction. Official report into Metropolitan Railway accident between Harrow and Wembley Park stations. Oil in steam boilers. The causes of the detention of trains.</p>
October 1898	<p>Clement Stretton 60: The Wellingborough accident on the Midland Railway. Full-page photograph of Midland Railway dining train. Railway speeds and punctuality (several items). Punctuality of French trains. Traffic men with high university degrees. The new GNR engines and their work (two items). Summary of engine improvements on the LNWR, MR, GNR and SER. Three recent attempts to cause train accidents in Northamptonshire. Trains delayed by passengers' bicycles. New GCR coal depot at Marylebone. The new corridor carriages of the Great Central Railway. Official report into GWR accident near Acton station. Official report into GNR accident at Grantham station. LNWR 'Iron Duke' engine rebuilt as compound, with two half-page photographs. <i>'An engine and tender drowned' at Blisworth in Northamptonshire in 1846.</i></p>
November 1898	<p>Clement Stretton 61: Railway unpunctuality. An American engine for England – to the Lynton and Barnstaple Light Railway. Rebuilding locomotives. The rebuilt NER compound No. 1619. Brighton is only an hour from London now on the LB&SCR. LSWR express engines with full-page photograph of 4-4-0. A Midland Railway dining car train. GNR express locomotives, with full-page photograph of 4-4-0 No. 1321. The future development of the locomotive (from a paper to the International Railway Congress). Official report into Caledonian Railway accident at Carstairs. Official report into NBR accident at Craigendoran station. Official report into GCR accident at Sheffield station. Summary of statistics on the running of the LNWR. South African railways (in Correspondence). Official report into accident at Greystones on the Dublin Wicklow & Wexford Ry (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
December 1898	<p>The nationalization of railways (several items). Locomotive performance. Train resistance. Court decision: LNWR must impose a 4 mph speed limit over a level crossing on its main line. The Railway Museum at South Kensington. Summary of UK continuous brake faults in January to June 1898. Official report into collision on the North London Railway at Broad Street station. Eight-coupled compound goods engines, LNWR. Monster locomotives. <i>Person who tried to wreck trains in Northamptonshire sentenced to penal servitude for life.</i> Reminiscences of a Chartist reunion (in Miscellaneous). Railways in Queensland, Australia (in Correspondence).</p>
January 1899	<p>The nationalization of railways. Comments on railways in Queensland, Australia. Definition of a 'railwayac'. Criticism of Mr Rous-Marten's favourable reports of locomotive performance in France. Boiler capacity in American and British locomotives. Full-page photograph of GNR tank engine No. 763. Compound passenger engine, Pennsylvania Railroad, with full-page photograph. American locomotives for Finland. How to get the best out of MR locomotives. Detailed report of continuous brake failures on UK railways in 1898. A run on the rebuilt NER No. 1619, by Charles Rous-Marten. Practical hints to firemen. Official report into LNWR accident at North Junction, Crewe. Official report into NBR accident at Lunan Bay. Parliamentary query on possibility of old age pensions (in Correspondence).</p>
February 1899	<p>The 4 mph speed limit imposed on the LNWR main line at the Atherstone level crossing. Suggested monorail lines reserved for 100 mph trains. Official report into GWR accident to the Falmouth to Truro mail train. Official report into NBR accident at Bellgrove North Junction, Glasgow. A large electric power station for USA railway. Nationalization of railways. Review of 1898. British v. American locomotives. The locomotive of the future. New 7' 6" single engine for the GNR, with full-page photograph of 4-2-2 No. 266. 4-4-0 express engines on the Highland Railway, with two full-page photographs. High-speed compound locomotives. Further comment on how to get the best out of MR locomotive. To Africa, via the GER and the Hook of Holland (in Correspondence).</p>
March 1899	<p>Nationalization of railways. Presentation to E P Male, the LNWR passenger agent at Leicester. The 4 mph speed limit imposed on the LNWR main line at the Atherstone level crossing. Automatic couplings. New LNWR & West Coast Joint sleeping saloons. American engines for the Midland Railway. SER and LC&DR amalgamation. Nationalization of railways. The resurrection of the second class passenger. New LNWR 0-6-2T radial tank engines, with full-page photograph of No. 1597. MR 4-4-0 express engines, with full-page photograph of No. 63. Official report into NER accident at Gateshead West station. Official report into GER accident at Witham station. Some statistics on the largest and busiest UK railway stations.</p>
April 1899	<p>Automatic couplers, improved brakes and other safety appliances. The GCR new corridor trains. Nationalization of railways. Some USA locomotive types of 1898. L&YR 4-4-0 express engine, with full-page photograph of No. 318. Belfast & Northern Counties 4-4-0 express engine, with full-page photo of No. 55 'Parkmount'. Official report into GWR accident at Clevedon station, on the Yatton & Clevedon branch. Official report into GWR accident at Wallingford station. A shunter's view of automated couplings. Irish railways: a nationalization project.</p>
May 1899	<p>Clement Stretton: American engines for England: why the USA does better. Automatic railway couplings. GNR rebuilt 7 ft single, with full-page photograph of 2-2-2 No. 21. GWR 4-6-0 mineral locomotive, with full-page photograph of No. 36.</p>

ISSUE	MAIN RAILWAY ITEMS
June 1899	<p>Clement Stretton: the American engines for the Midland Railway. The lost railway bill: the BoT gave in over automatic couplers. The competition advert (by the Liverpool & Manchester Railway directors) that changed the world. A government commission to look at reducing shunting accidents. GCR 4-4-0 express engines, with full-page photograph of No. 881. Two full-page photographs of GCR carriages. L&YR 4-4-2 express engines, with full-page photograph of No. 1400. Full-page photograph of a North London Railway standard passenger train. British locomotive builders are still exporting well to the world. Electric locomotives in practice. An electric working experiment on the Metropolitan Railway between Kensington and Earls Court. Offset eccentric and valve rods. The largest railway station in the UK – Edinburgh Waverley. Official report into NER accident at Middlesbrough station. Joseph Chamberlain on accident compensation and old age pensions (in Miscellaneous). South African railways (in Correspondence).</p>
July 1899	<p>Clement Stretton: An early loco firm – Sharp, Stewart & Co., first of Manchester then of Glasgow. Railway signalling: pros and cons of the lock-and-block system. The old Large Bloomer engines of the LNWR, with list of number and names. New 4-4-0 express engines of the GWR, with full-page photograph of No. 3310 'Waterford'. Locomotives of the North London Railway. New 0-4-4 tank engines of the GER, with full-page photograph of No. 1105. Official report into GNR accident at Three Counties station. Comments on last month's speech by Joseph Chamberlain (in Correspondence).</p>
August 1899	<p>Clement Stretton: Continuous brakes, with detailed list of faults on UK railways. The proper diameter of locomotive driving wheels. English and American locomotives. A preliminary trial of a new type of NER express engine (4-6-0 No. 2001). The LNWR compound 'Iron Duke'. The Baldwin & Schenectady 2-6-0 goods engines for the MR, with full-page photo of No. 2501. New Furness Railway 0-6-0 goods engines, with full-page photograph of No. 8. The old Large Bloomer engines of the LNWR: addendum. Official report into GER accident at Norwich Thorpe station. Official report into LB&SCR accident at New Cross station. Full-page photograph of LSWR 4-4-0 No. 706.</p>
September 1899	<p>Clement Stretton: An early loco firm – Haigh Foundry near Wigan, with list of early locos made. Mr Johnson's report on the new American engines of the MR. The weight of locomotive engines. The difference between a 'rebuilt' engine and a 'renewed' one. New LSWR 4-4-0's, illustrated last month. Full-page photograph of LT&SR 0-6-0 No. 49. Full-page photo of latest Caledonian Rly 0-6-0 goods engine, with 50-ton bogie mineral wagon. Economical locomotive firing. Locomotive boiler tubes. Rail damage by slipping driving wheels.</p>
October 1899	<p>Clement Stretton: An early loco firm – Mather, Dixon & Co. of Liverpool, with list of locos made. The power of English locomotives (an American account). LNWR fatalities at Euston due to a vacuum brake failure. Full-page photograph of GNR Ivatt 2-4-0 No. 1066. Full-page photograph of LSWR express behind engine No. 594 in Winchfield cutting. Brake failure the cause of accident on Cambrian Railway at Tylwich. Official report into LSWR accident at Wimbledon station. Book review: 'Ajax Loquitur' by Weatherburn, on very early railways. Economical locomotive firing (in Correspondence). Details about last month's Caledonian Railway photograph (in Correspondence page 454).</p>
November 1899	<p>Clement Stretton: An early loco firm – the Old Union Foundry Bolton, with list of locos. made. Fielden's Magazine – a new monthly for engineering. A good run on the GWR, recorded from near Chippenham to Paddington. Full-page photograph of LSWR 4-4-0 No. 720. Full-page photograph of GWR 4-2-2 No. 3021 'Wigmore Castle'. Full-page photograph of LSWR 2-4-0 No. 121 'St George', undated c. 1870's (caption on p.516). Full-page photograph of LNWR 2-4-0 No. 1104 'Sunbeam', 1884. The wages of engine drivers. Official report into partial failure of roof of GWR Cockett tunnel, South Wales. Official report into LNWR accident at Verdin's siding box, between Crewe and Warrington. New South Wales railways. The dangers of shunting close to main lines. Detailed statistics relating to the Midland Railway (in Miscellaneous)</p>

ISSUE	MAIN RAILWAY ITEMS
December 1899	<p>Clement Stretton: Locomotive smoke. Atherstone level crossing on LNWR main line: the 4 mph law still stands. Powerful new tank engines for the Central London Railway from Hunslet, Leeds. <i>One of the longest ever passenger trains – from Nottingham to Leicester in 1840!</i> Concern about the locomotive trade of the UK. Full-page photograph of LNWR 2-2-2 No. 3020 ‘Cornwall’, undated c. 1860’s? (caption p. 558) Full-page photograph of LNWR Precedent class No. 1521 ‘Gladstone’, undated. (caption p. 558) A paper by Mr Webb on compound locomotives. Differences between British and American wagons. Official report into L&YR accident at Manchester Victoria.</p>
January 1900	<p>Clement Stretton: Early locomotives built at Patricroft. Full-page photograph of Caledonian Railway 0-4-4T No. 97. Full-page photograph of Dublin Wicklow & Wexford Railway 4-4-0 No. 58. Full-page photograph of Baltimore & Ohio Railroad 4-6-0 No. 1321. New engines for the Midland Railway. Irish railways. The wages of engine drivers. Official report into LNWR accident at Portobello Junction, near Wolverhampton. A retrospect of several aspects of railway developments during 1899 (in Correspondence).</p>
February 1900	<p>Clement Stretton: Richard Trevithick, the father of the locomotive. Why don’t our locomotives do more work? The ‘Stretton collection’ has been given to the nation, for the South Kensington Museum. The German government railways (by the Railway Nationalization League). Particulars of the three engines illustrated in January. Official report into North Staffs accident at Stoke-on-Trent, involving LNWR train. Full-page posed photo of GER dining car express behind 4-2-2 No. 11. Full-page photograph of the ‘Royal Blue, Limited’ express on the Baltimore & Ohio Railroad. Summary of the report of the Royal Commission on railway accidents. Fuel economy (in Miscellaneous). Report on the Boiler Explosions Acts of 1882 and 1890 (in Miscellaneous). George Stephenson’s role in a railway between Liverpool and Manchester (in Correspondence).</p>
March 1900	<p>Clement Stretton: Locomotive power. Who was the father of the railways? Review of new monthly journal ‘Locomotives and Railways’. Full-page photograph of GCR 0-6-2T No. 897. Full-page photograph of GER Bromley 4-2-2 No. 247, built 1879. Class now obsolete. Heat transmission in locomotive boilers. Automatic couplings: summary of report of commission on safety for railway servants. Full-page photograph of old SER 2-2-2 express engine, built in 1851. Full-page photograph of GNR 2-6-0 freight engine No. 1182, built in the USA in 1899. Electric railway working. Eighty miles an hour on the footplate of a GWR flyer. Lubrication. Nationalization of railways. A forecast on the future development of the steam engine. <i>The LNWR now backing down on the Atherstone level crossing.</i> The compounds on the French Nord railway and their work (in Correspondence).</p>
April 1900	<p>Clement Stretton: Speed and coal consumption. Locomotive power. Pilot engines and coal saving. Full-page photograph of Billinton’s recent LB&SCR 4-4-0 No. 53 ‘Sirdar’. Full-page photograph of Dean’s new GWR 4-4-0 No. 3338 ‘Laira’. Full-page photograph of Dean’s new GWR 4-4-0 No. 3352 ‘Camel’. Full-page photograph of old Furness railway’s Bury type 0-4-0 No. 9, built 1855. Nationalization of railways. The coal premium, and more on performances of Nord compounds (in Correspondence). The GWR eyesight test (in Correspondence).</p>
May 1900	<p>More on coal consumption, high speed trains, pilot engines and the coal premium. The Railway Nationalization League. Full-page photograph of latest type of Caledonian Railway 4-4-0 express engine No. 901. Full-page photograph of new GER 4-4-0 No. 1900 ‘Claud Hamilton’. Full-page photograph of new Highland Railway 0-6-0 goods engine No. 134. Full-page photograph of Bavarian State Railways compound goods engine No. 1557. Official report into a fire-box explosion on the Neath & Brecon Railway at Crynant. An ambulance train built for the War office by the LSWR. Past additions to Euston station and present plans. Official report into SE&CR accident at London Bridge. Prosecution of the GNR for smoke emission at Kings Cross. Figures for death and accident rates in various employments. Timothy Hackworth, a neglected inventor (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
June 1900	<p>Coal prices about to rise significantly. Railway Club visit to South Kensington Museum. Leicester Museum collection on the Leicester & Swannington Railway. Railway nationalization. The 'Rocket'. The number of unoccupied seats on a typical train. Government Bill re recommendations of Royal Commission on railway accidents. Full-page photograph of GNR Ivatt 0-6-0 goods engine No. 315. Full-page photograph of GNR Ivatt 4-4-0 express engine No. 1344. Full-page photograph of new SE&CR 4-4-0 mixed traffic engine No. 676. Full-page photograph of old Furness railway's 0-4-0 goods engine No. 27, built 1866. Full-page photograph of French Nord de Glehn compound No. 2179. Compound locomotives (in Correspondence).</p>
July 1900	<p>Locomotive coal (whose price is about to shoot up) and economies. Official report into GWR accident near Reading East signal box. Would railways be better nationalized (with looks at Europe)? William Jessop, the father of railways. Electric traction on London's underground railways. Official report into L&YR accident involving a LNWR train near Miles Platting station. Full-page photograph of the first engine of Aspinall's new 4-4-2 class on the L&YR, No. 1400. Full-page photograph of L&YR No. 1400 on a Manchester to Blackpool express. Full-page photograph of Midland Railway's new 4-2-2 No. 2602. Full-page photograph of Pretoria & Pietersburg Railway 2-6-4T 'President Kruger'. The opening of the Central London Railway. The father of railways – James or Stephenson? (in Correspondence).</p>
August 1900	<p>Comment on coroner's inquest for the GWR Slough accident. The Railways (Prevention of Accidents) Bill. More comments on nationalized railways. Information for emigrants. Moisture in steam. New Geneva conciliation and arbitration law just passed. Full-page photograph of GWR broad gauge 2-2-2 'North Star', built 1837 & preserved at Swindon. Full-page photograph of GNR 4-4-2T condensing engine No. 1509. Full-page photograph of the 10 am boat express Victoria to Dover behind LC&DR No. 12. Full-page photograph of old Highland Railway 2-2-2 express engine No. 32 'Cluny'. Report of a committee on piston valves. Cylinder condensation. The Workmen's Compensation Act. Official report into Midland Railway accident near Wortley Junction, Leeds. Further comments on railway speed (in Correspondence).</p>
September 1900	<p>Clement Stretton: the new Midland Railway express engines. The end of the Atherstone crossing dispute on the LNWR. Railway material at the Leicester Museum. Stephenson's Locomotive Works to move from Newcastle to Darlington. The nationalization of railways. Official report into North London Railway accident at Devons Road signal box, Bow. The rush to the North for 12 August. Official report into SE&CR accident at Kent House station, between Penge and Beckenham. Full-page photograph of new Highland Railway 4-6-0 No. 143 'Gordon Castle'. Full-page photograph of GCR Manchester to London buffet car express, behind No. 967. Full-page photograph of Hull & Barnsley Railway new 0-6-0 goods engine No. 90. Full-page photograph of 'Dunrobin', the Duke of Sutherland's private 0-4-4T. An enquiry into a proposed Manchester-Liverpool electric express railway (in Correspondence).</p>
October 1900	<p>Clement Stretton: 70th anniversary of the Liverpool & Manchester Railway. Thomas Cook's first excursion train in 1841. Dispute on the Taff Vale Railway. Full-page photograph of the new MR 4-2-2 express engine No. 2601 'Princess of Wales'. Full-page photograph of new LNWR 4-4-0 compound express engine No. 4000 'La France'. Full-page photograph of cab view of one of the new MR goods engines built in the USA. Full-page photograph of 4-8-0 No. 808 of the Delaware, Lackawanna & Western Railroad. A legal case affecting picketing in the Taff Vale labour dispute. The Railway Employment (Prevention of Accidents) Act, 1900. The negligence of signalmen, with reference to accident on the NBR at Grangemouth. A curious German locomotive. The accident to a LNWR Blackpool-Manchester express, near Amberswood East junction. Many topics including punctuality data at Liverpool St & Fenchurch St (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
November 1900	<p>Detailed tables giving continuous brake faults in the UK in 1899. Discussions of the railway speed question. The 75th anniversary of the Stockton & Darlington Railway. Official report into Glasgow & South Western Railway accident at Inch Green, near Greenoch. A new GNR vestibule dining car express between Leeds and Kings Cross. Rapid railway construction in Siberia. First report of the GER boiler explosion at Westerfield. The overland route to China. Brief description of the report on UK railways to the BoT for 1899. Full-page photograph of L&YR new 0-8-0 goods engine No. 325. Full-page photograph of Wirral Railway new 0-6-4T No. 13. Full-page photograph of GWR new 4-4-0 express engine No. 3373 'Atbara'. Full-page photograph of GCR 2-6-0 goods engine No. 963, built in the USA. Details of a strange German express engine at the Paris Exhibition (in Correspondence).</p>
December 1900	<p>Clement Stretton: The jubilee of the Britannia tubular bridge (with full-page photo). The evolution of the LNWR compound principle, with photo of 'experiment class' No. 300, and full list of names & numbers. The fastest engines of England: recorded speeds from several companies. An invention to stop railway accidents: trials on the Wirral Railway. Obituary for Richard Summerson, one of the earliest NER drivers who had started in 1840. Official report into GWR accident at Slough station. Routes to Scotland, with reference to acrimony between the East Coast companies. Two full-page photos of the Westerfield explosion: remains of the engine, and clearing the line. Photograph spread over two pages of M. Thuile's strange engine at the Paris Exhibition (plus separate photos of engine and of tender on following pages). Full-page photograph of the GWR 'Flying Dutchman' express passing through Uphill station. Full-page photograph of Manchester-Liverpool express on Cheshire Lines behind Sacre No. 115. Photograph of GWR locomotive depot at Worcester. Comments on the Westerfield boiler explosion (in Correspondence).</p>
January 1901	<p>The jubilee of the Holyhead & Kingstown mail boat service part 1, with full-page picture of ship. The rise of Germany as a great power, with its state railways. The evolution of the LNWR compound principle (continued), with list of numbers & names. Electricity in the industries, a lecture by Sylvanus P Thompson (in Miscellaneous). Full-page photograph of LNWR class 2 (1884) compound No. 503 'Dreadnought'. Full-page photograph of LNWR class 3 (1889) compound No. 1301 'Teutonic'. Full-page photograph of LNWR 2-4-2 compound tank engine No. 687. Full-page photograph of 4-6-0 de Glehn compound, Western Railway of France No. 2503. Full-page photograph of 4-4-2 express engine, Pennsylvania Railroad No. 700. Questions of look-out following the collision of a GWR express at Slough (in Correspondence). Release valves (in Correspondence).</p>
February 1901	<p>The jubilee of the Holyhead & Kingstown mail boat service part 2, with full-page picture of ship. The Holyhead and Greenore service. The Holyhead and North Wall cargo service. French and English railways. The evolution of the LNWR compound principle (continued). Photograph of LNWR 2-4-2 compound No. 3435 (now 2054) of the 'Greater Britain' series, 1891-4. The Central London Railway. A prediction that the steam locomotive will become a thing of the past, replaced by electric ones. Wages of enginemen. The future electric express on German railways. Full-page photograph of No. 696, new 0-4-4 condensing tank for the SE&CR. Full-page photograph of Manchester to London dining car express, MR. Full-page photograph of No. 392, L&YR 0-8-0 goods engine. Full-page photograph of No. 2 'The Prince' and train on the Festiniog Railway. MR Engine trapped on turntable at Hawes junction in a gale. Summary of conclusions to report on L&YR accident at Brighouse. The new French Nord compounds and their performance (in Correspondence).</p>
March 1901	<p>French and English railways. Why the English locomotive trade is being lost. The evolution of the LNWR compound principle (continued), with photo of No. 1512 'Henry Cort'. Official report into GER boiler explosion at Westerfield (and in Correspondence). Full-page photograph of No. 255, 0-6-0 goods engine of the SE&CR. Full-page photograph of Fairlie 'Moel Tryfan' and train, Welsh narrow gauge. Full-page photograph of No. 170, 4-4-2 tank engine of the Taff Vale Railway. Full-page photograph of No. 195, 0-6-2 tank engine of the Taff Vale Railway. Full-page photograph of No. 65, 4-4-0 passenger engine, Cambrian Railways. An account of railway service in South Africa (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
April 1901	<p>The history of the Midland Railway. The evolution of the LNWR compound principle (continued), with drawing of 4-4-0 'James Toleman', photo of 0-8-0 No. 2539 and much tabulated data. Official report into GER boiler explosion at Westerfield, continued. L&YR boiler explosion near Knottingley (engine of type illustrated last February). Full-page photograph of No. 2903 'Montaigu', American-built 4-4-2 on French State Railways. Full-page photograph of No. 3027 'Worcester', 4-2-2 GWR express engine. Full-page photograph of No. 26, 4-2-2 MR express engine. French railways, with reference to a recent accident (in Correspondence).</p>
May 1901	<p>The history of the London and Birmingham Railway. The evolution of the LNWR compound principle (continued), with much tabulated data. The life of British foremen on Indian railways. Official report into GER boiler explosion at Westerfield, continued. Full-page old photograph of 0-4-0 of the 'Bury' type on the L&YR. Full-page photograph of narrow gauge 4-4-0 for the Imperial Railways of Japan. Full-page photograph of No. 300, 4-4-0 express engine of the LSWR. Full-page photograph of No. 2607, one of the latest class of MR 4-4-0's. High pressures and boiler explosions (in Correspondence).</p>
June 1901	<p>The history of the Grand Junction Railway. The evolution of the LNWR compound principle (continued), with drawing of 1902 'Black Prince'. Locomotive building in the USA. Steam v. electricity on railways. Railway employment (prevention of accidents) act, 1900. Railway working in Hungary before and after the introduction of the zone system. Official report into GER boiler explosion at Westerfield, continued. Full-page photograph of Mr L Longbottom, Chief Locomotive Engineer North Staffs Railway. Full-page photograph of Mr J F McIntosh, Chief Locomotive Engineer Caledonian Railway. Full-page photograph of No. 111, Caledonian Railway 0-4-4 tank engine. The GNR 8 ft. singles, now being broken up: their history and performance (in Correspondence).</p>
July 1901	<p>The history of the Manchester and Birmingham Railway. The history of the amalgamation and the formation of the LNWR Co. The evolution of the LNWR compound principle (continued), with much tabulated data. The explosion of steam boilers. Railway working in Hungary before and after the introduction of the zone system (continued). Diamond jubilee of the broad gauge. American engines on the Midland Railway: some unsatisfactory results. An accident on the GWR near Pontypool. Official report into GNR accident at Westwood Junction, Peterborough. Official report into GNR accident in Peterborough station. Full-page photograph of down Irish Mail leaving the Britannia tubular bridge, LNWR. Full-page photograph of No. 671 on GNR down Scotch express. Full-page photograph of 'Lisdoonvarna', 2-6-2T of West Clare Railway. Full-page photograph of No. 90, new 0-6-2T of the Metropolitan Railway. Full-page of two photos on the Listowel & Ballybunion Ry: a train in Ballybunion station and 'drawbridge' road crossing. Boiler construction and explosions (in Correspondence).</p>
August 1901	<p>The history of the Warrington and Newton Railway. The evolution of the LNWR compound principle (continued), with much tabulated data. Locos at the 1901 Glasgow exhibition: 4-4-0's with photos of LSWR No. 773 and SE&CR No. 735. Railway working in Hungary before and after the introduction of the zone system (continued). Official report into GER accident at Bentley station. GWR express runs at over 50 mph start to stop tabulated. A new locomotive shed at Zurich on the Swiss North Eastern Railway. Lubrication. Liquid fuel for locomotives on the GER: unlikely to be extended, they say. Official report into MR accident at St Pancras. London's deep-tube railways. Full-page photograph of Belgian State Railways 0-6-0, built in Belgium but based on CR design. Full-page photograph of 2-6-0 goods engine of Siamese Railways, built in Germany. British v. American locomotives (in Correspondence).</p>

ISSUE	MAIN RAILWAY ITEMS
September 1901	<p>The history of the Bolton and Leigh, and the Kenyon and Leigh Junction Railways. Railway working in Hungary before and after the introduction of the zone system (continued). Official report into L&YR boiler explosion at Knottingley. Official report into LNWR accident near Crewe station. New inventions in railway signalling in the USA. Luncheon and dining cars on the LSWR. Railway accident on the MR near Bolton. Summary of UK railway accidents in 1900. The Life of Stephenson: an error of Dr Smiles corrected. The latest high-speed locomotive in the USA. Full-page photograph of new L&YR corridor dining train in Fleetwood station. Full-page photograph of SE&CR 4-4-0 express engine No. 459. Full-page photograph of NER 4-4-0 compound express engine No. 1619 (see also p. 421-423). Full-page photograph of new GNR 0-8-0 goods engine No. 401. Coal consumption and economical running (in Correspondence).</p>
October 1901	<p>The history of the Wigan Branch and the Preston & Wigan Rlys (later the North Union Rly). The evolution of the LNWR compound principle (continued), with much tabulated data. Oil burning locomotives: an American viewpoint. 50-ton railway wagons: lessons from the USA. The railway collection at South Kensington. Report of meeting of the Railway Club. Official report into L&YR boiler explosion at Knottingley, continued (also in Correspondence). Full-page photograph of new LB&SCR 4-4-0 express engine 'Queensland'. Full-page photograph of 2-6-0 compound goods engine of the Pefle-Dala Railway, Sweden. Two pages with four photos of locomotives on the North Western Railway of India. Death announced of the ASLEF General Secretary, T G Sunter.</p>
November 1901	<p>History of the Lancaster & Preston Junc., Lancaster & Carlisle and Kendal & Windermere Rlys. The evolution of the LNWR compound principle (concluded), with photo of latest No. 1942. Official report into L&YR boiler explosion at Knottingley, addenda at request of Mr Aspinall. Centenary of the first Railway Act. The railway race to the North: why it was stopped. <i>GNR No. 1 at Peterborough has now completed 4 million miles in service.</i> Indian railway contracts: why so many now go abroad. Full-page photograph of the Machinery Hall at the 1901 Glasgow Exhibition. Full-page photograph of the Vienna Express passing through Bruges. Obituary with photograph: T G Sunter. More on boiler explosions (in Correspondence).</p>
December 1901	<p>The history of the Leeds & Bradford and the Colne Extension Railways. A survey of the UK locomotive companies, including number employed and annual output. Conciliation in trades disputes. Railway coal traffic. Official report into accident at Birmingham New Street, on the LNWR & Midland Joint. Official report into L&YR boiler explosion at Knottingley, addenda (continued). <i>Electro-pneumatic signalling on the NER at Tyne Dock.</i> Full-page photograph of LNWR goods train ascending Shap behind 0-8-0 compound locomotive. Full-page picture of Camden engine shed, LNWR 1838. Full-page photograph of charging a snowdrift on the Highland Railway. Full-page photo of an old LNWR tank engine now with train on the Royal Albert Docks Railway. High-capacity wagons, and UK companies' statistics for carrying coal (in Correspondence).</p>